

CLAIM AMENDMENTS

1 1. (currently amended) A system for installing a
2 powered device in a downhole tube, the system comprising:

3 a power line disposed along a production tube [[,]] and
4 terminating in a first power connector, [[an]]

5 orientation means disposed in the vicinity of the first
6 power connector, and

7 a powered device including a second power connector, the
8 powered device being lowered down the production tube and oriented
9 by the orientation means so that the first power connector means
10 and second power connector means engage to connect the powered
11 device to the power line; and

12 alignment means supporting the first power connector and
13 moving the first power connector from a first unaligned position to
14 a second aligned position as the first power connector descends
15 toward it so that the first power connector and the second power
16 connector engage to connect the powered device to the power line.

2. (canceled)

1 3. (currently amended) A system for installing a powered
2 device in a downhole tube, the system comprising a power line
3 disposed along a production tube [[,]] and terminating in a first
4 power connector, the powered device being ~~lowered~~ down the

5 production tube, the first power connector being supported by an
6 alignment means that moves the first power connector from a first
7 unaligned position to a second aligned position as the power
8 connector descends toward it so that the first power connector
9 means and second power connector means engage to connect the
10 powered device to the power line.

1 4. (currently amended) The ~~[[A]]~~ system according to
2 claim 3 wherein the aligned position may be closer to ~~[[the]]~~ a
3 center of ~~[[the]]~~ a bore holding the powered device than the
4 unaligned position.

1 5. (currently amended) The ~~[[[]]]~~A system according to
2 ~~either~~ claim ~~[[3 or]]~~ 4 wherein a sleeve is provided with a cam
3 ~~[[med]]~~ surface ~~of which is~~ shaped to orient the powered device.

1 6. (currently amended) The ~~[[A]]~~ system according to
2 claim 5 wherein the sleeve includes a keyway to move the first
3 connection means toward the center of the bore.

1 7. (currently amended) A system for installing a
2 powered device in a downhole tube, the system comprising
3 a power line disposed along a production tube,
4 terminating in a first power connector, ~~[[and a]]~~ the powered
5 device including a second power connector, and

6 means for radially aligning one or both of the connectors
7 ~~being radially displaced~~ as the powered tool is lowered such that
8 the connectors are aligned for engagement.

1 8. (currently amended) The [[A]] system according to
2 claim 7 wherein the second power connector is radially displaced
3 when aligned by the alignment means.

1 9. (currently amended) A method ~~according to the~~
2 ~~invention~~ comprising the steps of:

3 connecting an electrical power cable to a first part of a
4 wet mateable electrical power connector ~~which is~~ secured to a lower
5 region of a production tubing;

6 lowering the production tubing and the electrical power
7 cable into the well;

8 lowering through the production tubing an electrically
9 driven downhole fluid transducer system ~~which is~~ equipped with a
10 second part of a wet mateable electrical power connector;

11 releasably latching the transducer system to the
12 production tubing and aligning the two parts of the power connector
13 such that the two parts of the wet mateable power connector face
14 each other, and

15 lowering the electrical submersible fluid transducer
16 system and fitting the two aligned parts of the power connector
17 together.

10 - 21. (canceled)

1 22. (currently amended) A system for installing a
2 powered device in a downhole tube, the system comprising:
3 a power line disposed along a production tube,
4 terminating in a ~~at least~~ power connector or contact, ~~[[and a]]~~
5 powered device toolstring ~~which may be lowered~~ being down the tube
6 ~~, the powered device~~ and having a corresponding power connector or
7 contact,

8 means for aligning the two connectors or contacts as the
9 connector or contact of the line approaches the connector or
10 contact of the tool; and

11 fitting together the two contacts making such that they
12 make electrical connection when the powered device toolstring is
13 located adjacent to the power connector or contact of the
14 production tube.

1 23. (currently amended) The ~~[[A]]~~ system according to
2 claim 22 wherein at least one of the power connectors or contacts
3 ~~[[are]]~~ is annular.

1 24. (currently amended) The ~~[[A]]~~ system according to
2 ~~either~~ claim 22 ~~[[or 23]]~~ wherein a protective element is ~~locatable~~
3 adjacent to the power connector or contact of the production tube,

4 the protective element being displaceable by the powered device
5 toolstring to ~~reveal~~ expose the power connector or contact of the
6 production tube.

25. (canceled)